National Space Day 2024

Touching Lives while Touching the Moon: India’s Space Saga

Presented by: Vikram Sarabhai Science Club, MMPS

Made by: Taha Husain
11th-Science-D

Why should we explore Space?

Humans are Curious beings. Our minds inherently tend towards trying to understand what we don't know. And after all these years since science has taken off in our culture, We've almost entirely understood the phenomenon governing our Planet. But one faithful day in 1609 CE, a man named Galileo Galilei pointed one of his inventions (The very first refractive telescope) Towards the sky and was awestruck at what he witnessed. He witnessed an Entire "World" outside of our planet that we didn't yet understand. That day the fire of Space Exploration Was Ignited and has been going on since. Its fuel being Our desire to learn more About how the world around us worked.

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The Indian Space Research Organisation

The Indian Space Research Organisation (ISRO) is the Primary Space agency of India.

This organisation is involved In Science, Engineering and Technology to further our Understanding of the universe.

ISRO was previously known as the Indian National Committee for Space Research (INCOSPAR), set up by the Government of India in 1962 as per the request by Dr. Vikram Sarabhai.

ISRO superseded INCOSPAR on the 15th of August 1969 with an extended role to harness Space Technology for the benefit of the Nation.

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The Importance of 23rd August

On the 23rd of August 2023, ISRO successfully Soft-Landed the ‘Vikram’ Lander and the ‘Pragyan’ Rover on the surface of the Moon near the South Pole (The landing site now called as ‘Shiv Shakti Point’) as per the Chandrayaan-3 mission.

To celebrate this incredible achievement. The Honorable Prime Minister of India declared 23rd August as the ‘National Space Day’

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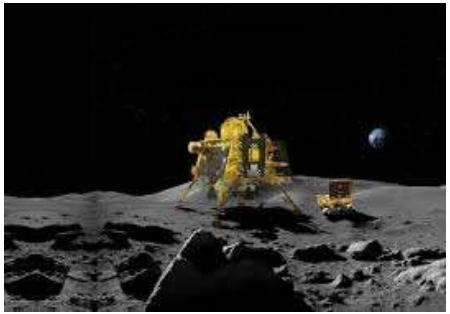
Some Past Achievements of ISRO

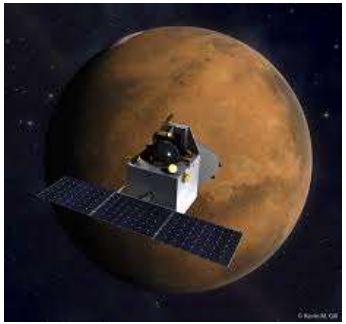
Chandrayaan

The Chandrayaan Missions is a series of missions by ISRO aiming to study our Moon. The motive of the Chadrayaan missions was to demonstrate the technology and to learn more about our Moon and uncover it's many secrets relating to its Origin and Chemical Composition



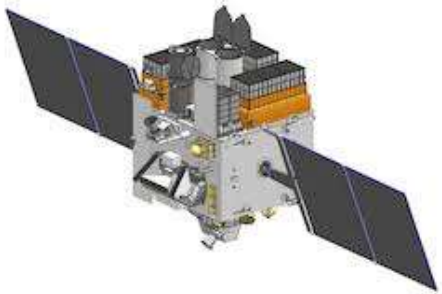
Mangalyaan

Mangalyaan was India's Attempt at the Mars Orbiter Mission. With the success of Mangalyaan, India became the 4th Country to ever succeed in the Mars Orbiter Mission. India was the 1st country to ever succeed in the Mars Orbiter Mission in their First Try!!



AstroSat

AstroSat is the first dedicated Indian astronomy mission aimed at studying celestial sources in X-ray, optical and UV spectral bands simultaneously. AstroSat was launched on 28th September 2015



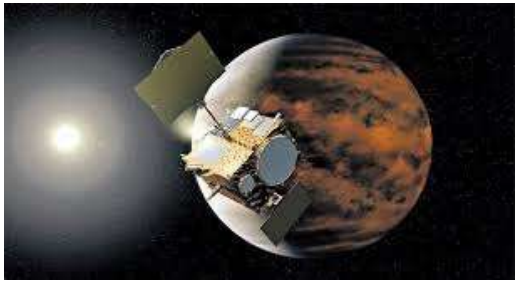
Some Upcoming ISRO Missions

Gaganyaan

Gaganyaan is India's first Human Spaceflight Mission. This mission aims to demonstrate the ability of ISRO at Human Spaceflight capabilities and to also further study the effect of Spaceflight on the Human Body and to understand how to mitigate risks to Vyomnauts (Indian Astronauts) in the future on such Manned Spaceflight Missions

Shukrayaan

Shukrayaan is India's attempt at a Space Orbiter in Venusian Orbit (Orbit of Venus). The goal of Shukrayaan is to study the Atmosphere and the Surface of Venus and give scientists a chance to learn more about the twin of Earth (Venus). The expected launch date for Shukrayaan is December of 2024



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Thank You!!

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Always remember that, There's still plenty more to discover out there, so keep your curiosity alive and try to understand our world like no one ever has before.

Wishing you all a Happy and Knowledgeable Space Day!